

**JSP COMPOSITION IN A CACHE FOR WEB  
APPLICATIONS WITH DYNAMIC CONTENT**

5

ABSTRACT OF THE DISCLOSURE

A system and method are disclosed, according to which performance of client/server-based distributed web 10 applications operating in an object-oriented environment may be improved, by increasing the capacity of a cache for Java Server Pages (JSPs). The main body of a JSP may contain calls to several other JSPs. The conventional method of caching such a composite JSP places a fully expanded version 15 of each called JSP at the point in the main code from which it is called. This can result in considerable redundancy, since the same JSP may be called from several places. In an exemplary embodiment of the techniques disclosed herein for caching composite JSPs, the called JSPs are stored 20 separately from the main JSP, along with links allowing the called JSPs to be located in the cache or executed. This eliminates redundancy, since only one copy of each called JSP is required.

25